

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application;

--1. (Currently Amended) A mobile device comprising:

a vertically oriented handheld housing that is taller than it is wide when the mobile device is in an upright position; and

two groups of device keys mounted on the housing, the device keys corresponding to personal computer keys mounted on a horizontally oriented keyboard of a personal computer,

wherein each of a first one of said two groups of device keys comprises a first plurality of rows of personal computer keys mounted on the keyboard is divided into at least two groups;

a first group of device keys corresponding to a first group of personal computer keys is positioned horizontally on the housing; and

a second group of device keys corresponding to a second group of personal computer keys is positioned horizontally on the housing and shifted in a vertical direction of the housing with respect to the first group of device keys corresponding to a left-hand portion of rows of keys of a QWERTY keyboard and extending in a widthwise direction of the housing;


a second one of said two groups of device keys comprises a second plurality of rows of keys corresponding to right-hand portions of the rows of keys of a QWERTY keyboard extending in the widthwise direction of the housing and being respectively

7217/64710

alternately arranged with said first one of said two groups of  
keys; and

said two groups of keys are shifted relative to each  
other in the widthwise direction of the housing, such that the  
keys corresponding to the left-hand portions of the rows of  
the QWERTY keyboard are misaligned so as to be offset relative  
to the keys corresponding to the right-hand portions of said  
rows of a QWERTY keyboard.

--2. (Currently Amended) The mobile device according to  
Claim 1, wherein the second group of device keys is further  
shifted horizontally on in a widthwise direction of the  
housing with respect to the first group of device keys.

 --3. (Currently Amended) The mobile device according to  
Claim 1, wherein the device keys are ~~arranged on the housing~~  
colored such that a color of the first group of device keys is  
different from a color of the second group of device keys.

--4. (Currently Amended) The mobile device according to  
Claim ~~[[1]]~~ 3, wherein the ~~device keys are arranged on the~~  
~~housing such that a color~~ colors of a row of device keys in  
the rows of the first group and the second group is different  
from a color of an other row of device keys in groups that  
correspond to the same row of QWERTY keyboard are the same,  
whereas the colors of the rows of the first group and the  
second group groups that correspond to different rows of a  
QWERTY keyboard are different.

--5. (Currently Amended) The mobile device according to Claim 1, further comprising touch-sensitive liquid crystal display panel input means mounted on the housing, and

wherein the device keys on the housing are formed by the touch-sensitive liquid crystal display panel input means.

--6. (Cancelled)

--7. (Currently Amended) The mobile device according to Claim [[6]] 15, wherein the second spacing is greater than the first spacing.

*M* --8. (Currently Amended) A key arranging method for arranging device keys on a ~~vertically-oriented~~ handheld housing of a mobile device in which the handheld housing is taller than it is wide when the device is in an upright position, the device keys corresponding to ~~personal computer~~ keys ~~mounted on~~ of a horizontally-oriented QWERTY keyboard of ~~a personal computer~~, the key arranging method comprising the steps of:

~~dividing each of a plurality of rows of personal computer~~  
~~arranging the device~~ keys ~~of the personal computer keyboard~~  
~~into at least~~ on the housing in two groups;

~~positioning one of the groups horizontally on the housing~~  
~~as a first group of device keys; and~~

~~positioning an other of the groups horizontally on the~~  
~~housing as a second group of device keys and shifting the~~

7217/64710

~~second group of device keys vertically with respect to the first group of device keys.~~

a first one of said two groups comprising a first plurality of rows of keys corresponding to left-hand portions of the rows of a QWERTY keyboard extending in a widthwise direction of the housing; and

a second one of said two groups comprising a second plurality of rows of keys corresponding to right-hand portions of the rows of a QWERTY keyboard extending in the widthwise direction of the housing; and

shifting the two groups of keys relative to each other in the widthwise direction, such that rows corresponding to the keys corresponding to the left-hand portions of the rows of a QWERTY keyboard are misaligned so as to be offset relative to the keys corresponding to the right-hand portions of said rows of a QWERTY keyboard.

--9. (Currently Amended) The key arranging method according to Claim 8, ~~wherein~~ further comprising the step of shifting the second group of device keys is shifted horizontally in a widthwise direction with respect to the first group of device keys.

--10. (Currently Amended) The key arranging method according to Claim 8, ~~wherein the device keys are arranged on the housing such that~~ further comprising the step of making a color of the first group of device keys [[is]] different from a color of the second group of device keys.

--11. (Currently Amended) The key arranging method according to Claim 8, ~~wherein the device keys are arranged on the housing such that~~ further comprising the step of making a color of a row of device keys in the rows of the first group and [[the]] second group is different from a color of an other row of device keys in the first group and the second group groups that correspond to a same row of a QWERTY keyboard a first color; and

making a color of the rows of the first and second groups that correspond to a different row of a QWERTY keyboard a second color different than the first color.

11  
--12. (Currently Amended) The key arranging method according to Claim any one of claims 8-11, further comprising the steps of:

providing a touch-sensitive liquid crystal display panel input means on the housing;

forming device key images at predetermined positions on the liquid crystal display panel input means; and

associating the device key images formed at the predetermined positions on the liquid crystal display panel input means with a plurality of device keys on the housing,

wherein the plurality of device keys on the housing are arranged on the liquid crystal display panel input means on the housing.

--13. (Currently Amended) The key arranging method according to Claim 8, wherein ~~a group of~~ wherein the step of arranging the device keys corresponding to a part of a first row of personal computer keys of the personal computer keyboard are separated on the housing by a first spacing from a group of device keys corresponding to another part of the first row of personal computer keys of the personal computer keyboard; and

the group of device keys corresponding to the other part of the first row of personal computer keys of the personal computer keyboard is separated from a group corresponding to a part of a second row of personal computer keys of the personal computer keyboard by a second spacing. on said device further comprises:

interleaving the first and second pluralities of rows;

separating a first row of the first group of keys in the longitudinal direction of the housing from the corresponding row of the second group of keys corresponding to the same row of a QWERTY keyboard by a first spacing; and

separating said corresponding row of the second group of keys in the longitudinal direction of the housing from a second row of the first group of keys of the next row of a QWERTY keyboard by a second spacing different than said first spacing.

--14. (Previously Presented) The key arranging method according to Claim 13, wherein the second spacing is greater than the first spacing.

--15. (New) The mobile device according to claim 1, wherein

the first plurality of rows are interleaved with the second plurality of rows;

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a first row of keys on the housing formed of a first row of the first group of keys is separated in the longitudinal direction of the housing from a second row of keys in the housing formed of the corresponding row of second group of keys corresponding to the same row of a QWERTY keyboard by a first spacing; and

a third row of keys on the housing formed of a second row of the first group of keys is separated in the longitudinal direction of the housing from the second row of keys on the housing by a second distance different than the first distance.

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